

# Amazing breakthrough

# A Colour Computer

## The Incredible DICK SMITH VZ-200 Personal Colour Computer

Here it is at last — the personal computer you've been waiting for! With all the right features: colour graphics, sound, standard Microsoft BASIC, both RF and video output, and lots more. Yet thanks to modern technology and Dick Smith's massive buying power, it will cost you only \$199 — far less than any comparable machine!

Because of this dramatic breakthrough in terms of value for money, our new VZ-200 provides you and your children with the ideal opportunity to learn about computers and programming.

## Big Features:

### COLOUR GRAPHICS:

- 8 colours
- 128 x 64 high resolution graphics mode or 64 x 32 — (mixed graphics & text mode)

### SOUND FACILITY:

- 2.5 octaves — PLAY MUSIC!

### INVERSE VIDEO:

- For dramatic screen displays!

### FULL 8K OF RAM:

- More than the VIC-20!

### VZ-200 takes the pain out of studying.

For a student at any level, the VZ-200 can make studying easier and more effective. You can use it as a calculator, for equations and higher maths, and as a filing system and notes library. Everything you input can be recalled instantly. And you can use it, day-to-day, to work out assignments and prepare projects.

### Learn computer programming. Completely free of charge.

Your VZ-200 is a fully functional computer right from the start, but to get the most out of it, you should take the opportunity to learn how to program it yourself. BASIC, the universal computer programming language, is built right into the VZ-200. All you have to do is read the step-by-step instruction booklet that comes with every unit, and you'll be able to create your own BASIC software programs. There's no extra equipment to buy, and no extra software tape is necessary. It's an easy and inexpensive way to learn the coveted skill of computer programming and, what you learn on the VZ-200, you can use to program just about any other computer in the world.

### The computer for beginners.

Even though the VZ-200 is a powerful and sophisticated computer, it has been especially designed for beginners to get started on. So everything, from the keyboard, to the ready-to-run software, is easy to master.

### The keyboard.

Unlike most home computers, the VZ-200 provides you with a full-size, movable-key, keyboard. Single keystroke functions save a lot of typing. The keys themselves are specially arranged so it's hard to make a mistake, even if you don't type that well to begin with.

### Minimal switches.

In keeping with the simplified format, we've even eliminated the confusing number of switches and controls on the keyboard. An LED power indicator indicates when the unit is operational.

### Everything is built-in.

From the BASIC programming language, right through to connections for cassette tape recorders and other peripherals, the VZ-200 has virtually everything you need built right in. Everything hooks together with simple, standard plugs and all are clearly labelled.

### Expand your computer as you expand your studies.

The VZ-200 is designed to work with a number of available expansion units, so you're not locked into one system. You can hook up any type of audio cassette tape recorder, and with an inexpensive interface unit, you can connect any standard text or graphic printer. So you can expand your system at your own speed and in accordance with your own budget.

### An ordinary cassette recorder can become your computer memory & storage.

Just hook up any ordinary cassette tape recorder to your VZ-200 and you can store programs and files on standard audio tape cassettes. There's no expensive hardware to buy and no complicated connections to worry about. Everything is built right into your VZ-200. You just plug it in and you can start a whole cassette tape library of programs and files.

### Improve your memory

To make even fuller use of your VZ-200 you can buy a 16K Memory Expansion Module, which plugs into your computer easily, and gives you more memory to hold more information, perform more functions and save you more time.

### Get it down in writing!

You can also buy a text or graphic printer connected to a Printer Interface Module to work with your VZ-200, which will provide you with crisp, clear hard copies of vital information and computer generated illustrations. The Printer Interface Module allows you to use any standard Centronics-type printer.

### Ready-to-run software.

Your VZ-200 has been designed to operate with a wide variety of software programs ranging from Home Accounting all the way to video games. All you have to do is load them in and your computer is ready to carry out the type of functions the program commands.

### The sooner you get the VZ-200, the sooner you can enjoy the benefits.

There's no reason to resist any longer. The VZ-200 overcomes all the objections you've ever made to getting a computer. It's simple. It's powerful. It's expandable. And it's within your budget. Make your entry, or your children's entry, into the modern world of computer technology as painless as possible. With the new VZ-200.

### Here are just some of the VZ-200's many exciting features:

- 8K bytes of user RAM memory inbuilt — more than enough for most personal computer jobs.
- Powerful Microsoft BASIC in ROM — so your VZ-200 understands easy-to-follow BASIC commands as soon as you turn it on.
- Full colour graphics capability: 8 colours in medium-resolution (64 x 32) graphics/text mode, 4 colours in higher-resolution (128 x 64) mode.
- Built-in sound/music facility: plays any note in a 2-1/2 octave range, with 9 different note durations.
- Large 45-key keyboard, with full-stroke keys in typewriter layout. Auto-repeating keys, too.
- Single keystroke entry of BASIC commands, for faster and much more convenient operation.
- RF output (channel 1) for use with any normal colour (or monochrome) TV receiver.
- Direct video output for use with a colour TV monitor for better results.
- On-screen cursor controlled editing — much easier and faster than line editing.
- Industry standard Z-80A processor.
- 'COPY' command to print out the screen on your printer (when you have one)
- Easily expandable using optional 16K memory expansion module, Centronics printer interface module (availability shortly).

## Specifications

<b>CPU:</b>	Z80A running at 3.58 MHz
<b>Memory:</b>	ROM, 16K Byte BASIC Interpreter and Operating System. RAM — 8K Byte expandable to 24K Byte (Optional)
<b>Screen:</b>	Text mode: 32 Columns by 16 Rows. Graphic 128 x 64 — high resolution graphics mode 64 x 48 — mixed graphics & text mode.
<b>Keyboard:</b>	45-Key full size moving-key rubber keyboard. Automatic repeat keys.

<b>Sound:</b>	Buzzer "Beep" sound for key entry. Musical notes: 2.5 octaves.
<b>Cassette interface:</b>	Baud rate at 600 bps.
<b>Printer interface:</b>	(Optional) Connects to Centronics-Bus printer.
<b>Power interface:</b>	Single 9 Volts DC at 1200mA (adaptor included).
<b>Language:</b>	Microsoft BASIC Interpreter.
<b>Display:</b>	RF output, directly connect to TV set. Video output, connect to PAL colour monitor.